

CLAIMS

1. Conveyor device for conveying substantially round products, for example eggs, comprising a support track, along which the products can move in a conveying direction during use, and a first, substantially cylindrical engagement member, which extends transversely over the support track with respect to the conveying direction and is designed to be flexible at least at its circumference, in order to engage on the products on the support track, and can rotate about its axial axis in order to advance the products along the support track, characterized in that the support track, downstream of the first engagement member as seen in the conveying direction, has an elevated portion which is located at a distance from the first engagement member which is such that the latter engages on the products on the upward part of the elevated portion.
2. Conveyor device according to claim 1, in which downstream of the first engagement member, as seen in the conveying direction, there is arranged a second substantially cylindrical engagement member, which extends transversely across the support track with respect to the conveying direction and is designed to be flexible at least at the circumference, in order to engage on the products on the support track, and can rotate about its axial axis in order to advance the products along the support track, which second engagement member can rotate in the same direction as the first engagement member.
3. Conveyor device according to claim 2, in which the second engagement member, as seen in the conveying direction, is located at a distance downstream of the elevated portion which is such that the second engagement member engages on the products on the downward section of the elevated portion.
4. Conveyor device according to one of the preceding claims, in which the elevated portion is designed to be able to yield with the products.
5. Conveyor device according to one of the preceding claims,

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in which the elevated portion is formed from a strip of flexible material, of which a front end and a rear end are fixed at a distance from one another which is such that the material between them bulges upwards.

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6. Conveyor device for conveying substantially round products, for example eggs, comprising a support track, along which the products can move in a conveying direction during use, and a first, substantially cylindrical engagement member, which 10 extends transversely over the support track with respect to the conveying direction and is designed to be flexible at least at its circumference, in order to engage on the products on the support track, and can rotate about its axial axis in order to advance the products along the support track characterized in 15 that the support track has a higher part, a transition piece, which adjoins the higher part downstream of the first engagement member, as seen in the conveying direction, and a lower part, which adjoins the transition piece, the first engagement member being arranged over the higher part of the support track, in the 20 vicinity of the transition piece, and a second substantially cylindrical engagement member being provided, which extends transversely over the support track with respect to the conveying direction and is designed to be flexible at least at the circumference in order to engage on the products, and can 25 rotate about its axial axis in order to advance the products along the support track, which second engagement member is arranged substantially at the transition piece in order to engage on the products which, during use are situated on the transition piece and a part of the lower part of the support 30 track.

7. Conveyor device according to claim 6, in which the transition piece is designed to be able to yield with the products.

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8. Conveyor device according to one of claims 2-7, in which the first engagement member is designed to have a greater circumferential velocity than the second engagement member during use.

9. Conveyor device according to one of claims 2-8, in which the first engagement member has a larger diameter than the second engagement member.

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10. Conveyor device according to one of claims 2-9, in which the first engagement member, during use, can rotate at a higher speed than the second engagement member.

10 11. Conveyor device for conveying substantially round products, for example eggs, comprising a support track, along which the products can move in a conveying direction during use, and a first, substantially cylindrical engagement member, which extends transversely over the support track with respect to the
15 conveying direction and is designed to be flexible at least at its circumference, in order to engage on the products on the support track, and can rotate about its axial axis in order to advance the products along the support track, characterized in that downstream of the first engagement member, as seen in the
20 conveying direction, there is arranged a second substantially cylindrical engagement member, which extends transversely over the support track with respect to the conveying direction and is designed to be flexible at least in the circumference in order to engage on the products on the support track, and can rotate
25 about its axial axis in order to advance the products along the support track, which second engagement member can rotate in the same direction as the first engagement member, the first engagement member being designed to have a higher circumferential velocity than the second engagement member
30 during use.

12. Conveyor device according to one of the preceding claims, in which the first and/or second engagement member is designed as a brush with bristles for engaging on the product.

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13. Conveyor device according to claim 12, in which the bristles of the first and second brushes partially engage in one another.

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14. Sorting and packaging device for sorting and packaging substantially round products, in particular eggs, comprising at least one conveyor device according to one of the preceding claims.